

10/790,498C>

05/28/2007

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 18:52:05 ON 28 MAY 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 18:52:13 ON 28 MAY 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 27 MAY 2007 HIGHEST RN 935984-33-1

DICTIONARY FILE UPDATES: 27 MAY 2007 HIGHEST RN 935984-33-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

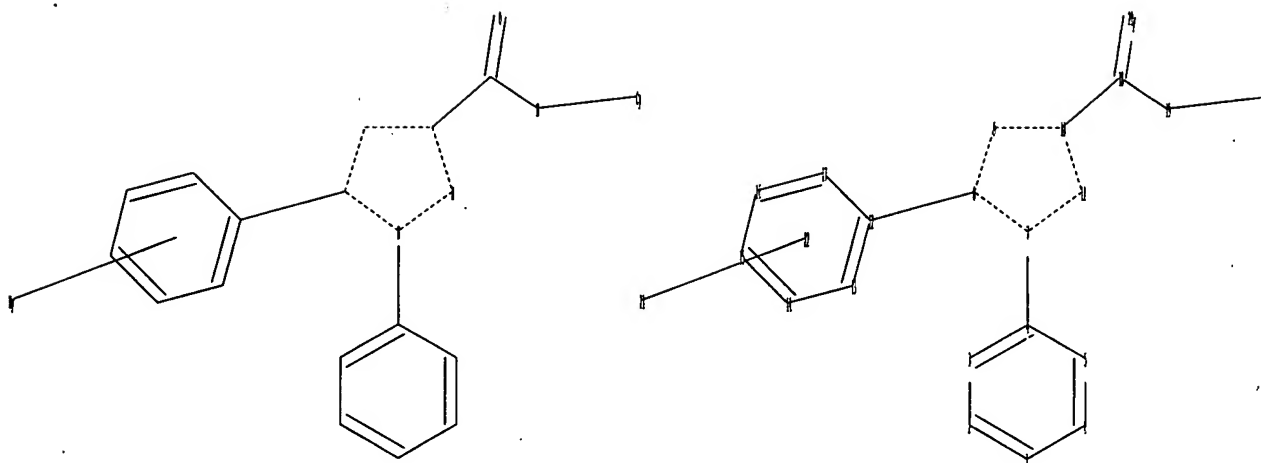
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10790498.str



```

chain nodes :
18 19 20 21 23
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
chain bonds :
4-7 8-12 10-18 18-19 18-20 19-23
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11 12-13 12-17 13-14
14-15 15-16 16-17
exact/norm bonds :
4-7 7-8 7-11 8-9 9-10 10-11 18-19 18-20 19-23
exact bonds :
8-12 10-18
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17
isolated ring systems :
containing 1 : 7 : 12 :

```

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS
20:CLASS 21:Atom 22:Atom 23:Atom

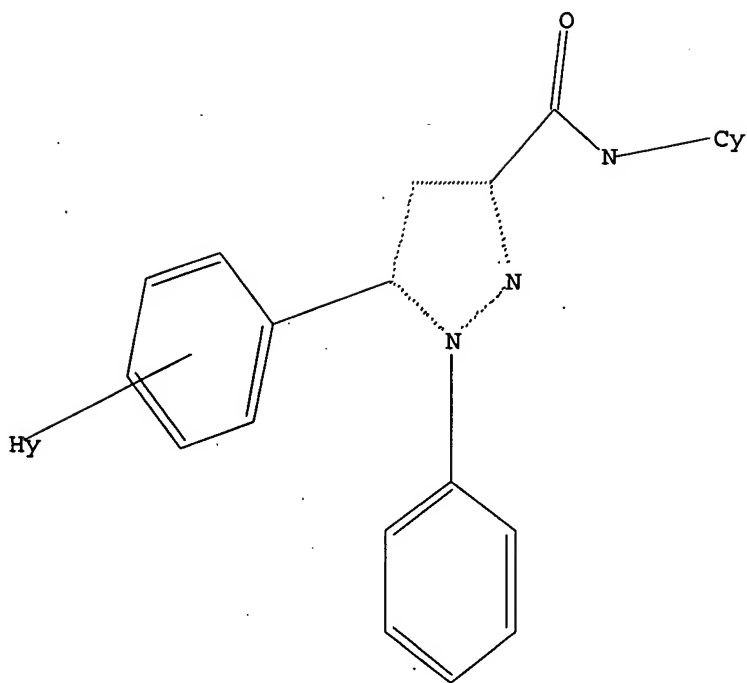
```

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:52:37 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 260 TO ITERATE

100.0% PROCESSED 260 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 4233 TO 6167

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 18:52:50 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4793 TO ITERATE

100.0% PROCESSED 4793 ITERATIONS

32 ANSWERS

SEARCH TIME: 00.00.01

L3 32 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 18:52:56 ON 28 MAY 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 28 May 2007 VOL 146 ISS 23
FILE LAST UPDATED: 27 May 2007 (20070527/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

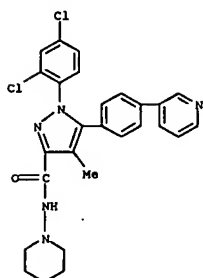
=> s l3

L4 4 L3

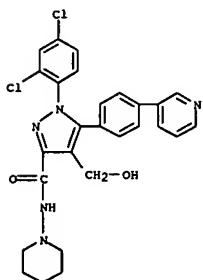
=> d ibib abs hitstr tot

10/790,498C>

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

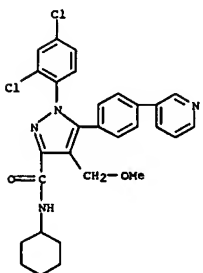


RN 501423-35-4 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

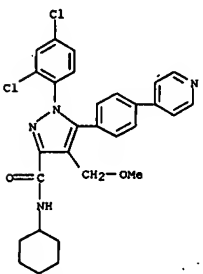


RN 501423-36-5 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(fluoromethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



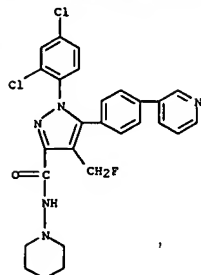
RN 501423-49-0 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(4-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



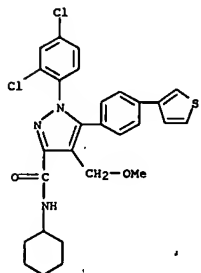
RN 501423-50-3 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(2-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

05/28/2007

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

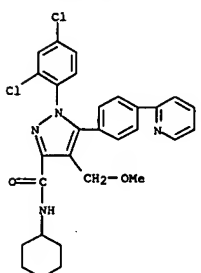


RN 501423-47-8 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(3-thienyl)phenyl]- (9CI) (CA INDEX NAME)

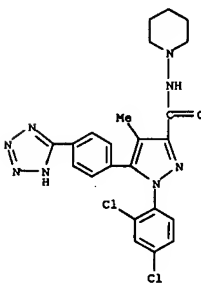


RN 501423-48-9 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



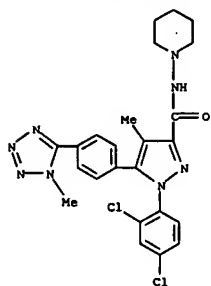
RN 765953-27-3 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-methyl-N-1-piperidinyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



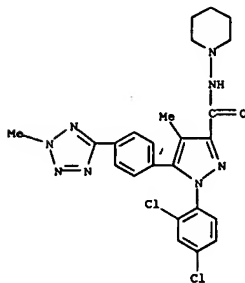
RN 765953-28-4 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-methyl-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]-N-1-piperidinyl- (9CI) (CA INDEX NAME)

10/790,498C>

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

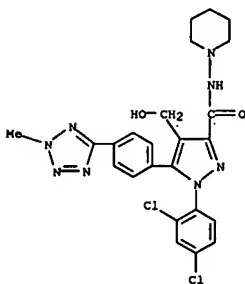


RN 765953-29-5 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-methyl-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]-N-1-piperidinyl- (9CI) (CA INDEX NAME)

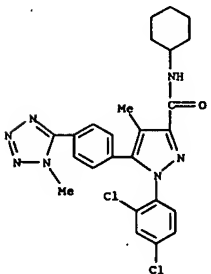


RN 765953-30-8 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



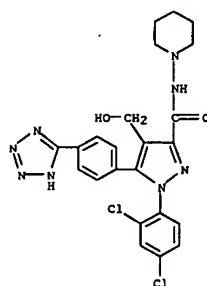
RN 765953-33-1 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-methyl-5-N-cyclohexyl-1-(2,4-dichlorophenyl)-4-methyl-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



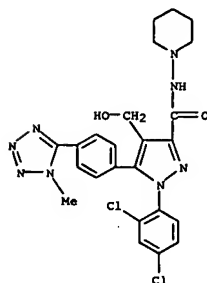
RN 765953-34-2 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-methyl-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

05/28/2007

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

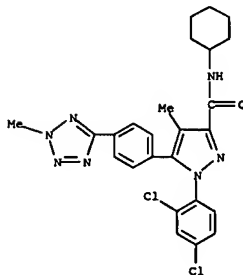


RN 765953-31-9 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]-N-1-piperidinyl- (9CI) (CA INDEX NAME)

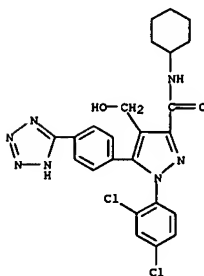


RN 765953-32-0 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]-N-1-piperidinyl- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



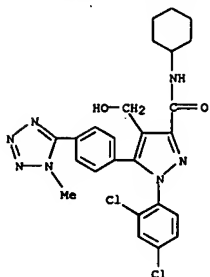
RN 765953-35-3 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



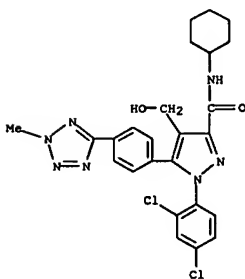
RN 765953-36-4 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

10/790,498C>

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

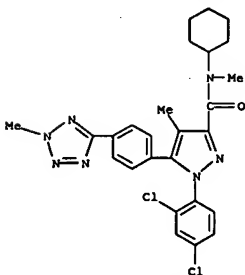


RN 765953-37-5 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

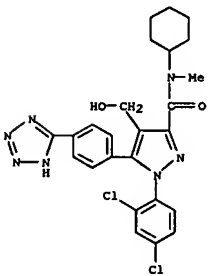


RN 765953-38-6 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



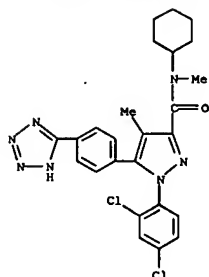
RN 765953-41-1 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



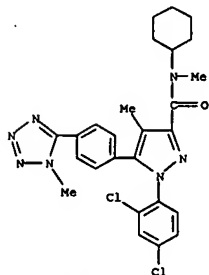
RN 765953-42-2 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

05/28/2007

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

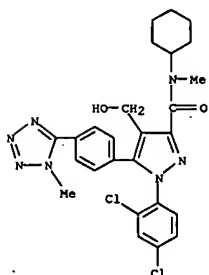


RN 765953-39-7 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

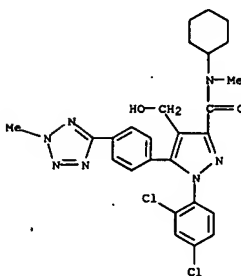


RN 765953-40-0 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



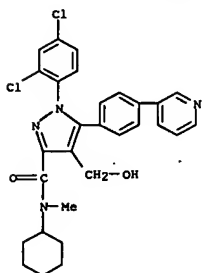
RN 765953-43-3 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



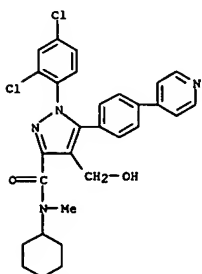
RN 765953-49-9 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

10/790,498C>

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

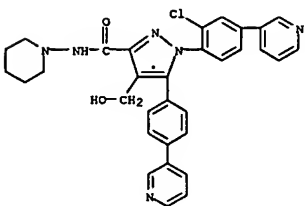


RN 765953-50-2 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(4-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



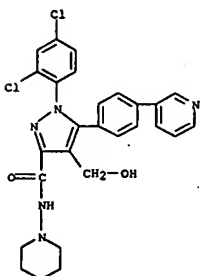
RN 765953-51-3 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(4-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



● 2 HCl

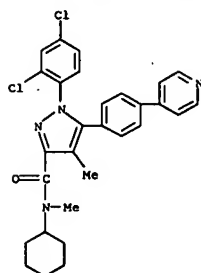
RN 765953-65-9 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)



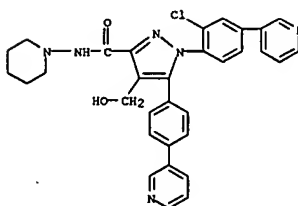
● HCl

05/28/2007

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 765953-63-7 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-[2-chloro-4-(3-pyridinyl)phenyl]-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 765953-64-8 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-[2-chloro-4-(3-pyridinyl)phenyl]-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:802554 CAPLUS
 DOCUMENT NUMBER: 141:314321
 TITLE: A preparation of novel pyrazole derivatives with high affinities and selectivities for the CB1 cannabinoid receptor
 INVENTOR(S): Makriyannis, Alexandros; Liu, Qian; Thotapally, Rajesh
 PATENT ASSIGNEE(S): University of Connecticut, USA
 SOURCE: U.S. Pat. Appl. Publ., 41 pp., Cont.-in-part of Appl. No. PCT/US02/27644.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004192667	A1	20040930	US 2004-790498	20040301
WO 2003020217	A2	20030313	WO 2002-US27644	20020829
WO 2003020217	A3	20030821		
W:	AZ, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2498966	A1	20050901	CA 2005-2498966	20050301
EP 1571147	A2	20050907	EP 2005-251224	20050301
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU			
JP 2005255685	A	20050922	JP 2005-96009	20050301
CN 1827603	A	20060906	CN 2005-10052970	20050301
US 20060511	A1	20060511	US 2005-166835	20050624
US 2006030563	A1	20060209	US 2005-244770	20051006
PRIORITY APPL. INFO.:			US 2001-316515P	P 20010831
			WO 2002-US27644	A2 20020829
			US 1999-159993P	P 19991018
			WO 2000-US41239	W 20001018
			US 2002-110865	A2 20021021
			US 2004-790498	A 20040301

OTHER SOURCE(S): MARPAT 141:314321
 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

SAEED

Page 10

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
 AB The invention relates to a preparation of novel pyrazole derivs. of formula I

[wherein: A is a direct bond, O, or $-(CH_2)_0-1NH-$, etc.; B is N or O; R1 is $-(CH_2)_0-7-Z$; Z and R2 are independently selected from carbocyclic, heterocyclic, (hetero)aromatic, bicyclic, or tricyclic rings, etc.; R3 is Me,

CH_2N_3 , CH_2NCS , Bn, or CH_2NO_2 , etc.; R4 is $-(CH_2)_0-7-X$; X is H, halogen, NCS, CN, NO_2 , or OAc, etc.; R5 is present only when B is N, R5 is H or alkyl) with high affinities and selectivities for the CB1 cannabinoid receptor. For instance, for pyrazole derivative II the CB1 cannabinoid receptor binding affinity (K_i) was 1.5 whereas for CB2 receptor it was

741 (CB1 receptor selectivity was 491).

IT 501423-34-3P 501423-35-4P 501423-36-5P
 501423-47-8P 501423-48-9P 501423-49-0P
 501423-50-3P 765953-27-3P 765953-28-4P
 765953-29-5P 765953-30-8P 765953-31-9P
 765953-32-0P 765953-33-1P 765953-34-2P
 765953-35-3P 765953-36-4P 765953-37-5P
 765953-38-6P 765953-39-7P 765953-40-0P
 765953-41-1P 765953-42-2P 765953-43-3P
 765953-49-9P 765953-50-2P 765953-51-3P
 765953-63-7P 765953-64-8P 765953-65-9P
 765953-70-6P

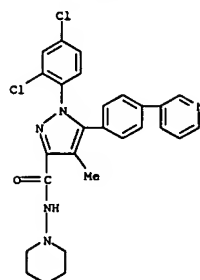
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel pyrazole deriva. with high affinities and/or selectivities for the CB1 cannabinoid receptor)

RN 501423-34-3 CAPLUS

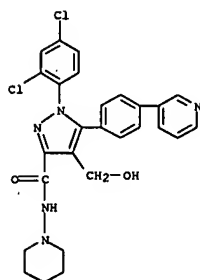
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-methyl-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 501423-35-4 CAPLUS

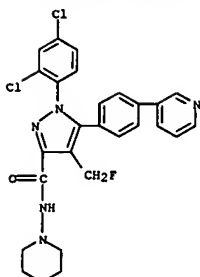
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 501423-36-5 CAPLUS

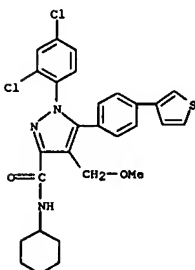
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(fluoromethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 501423-47-8 CAPLUS

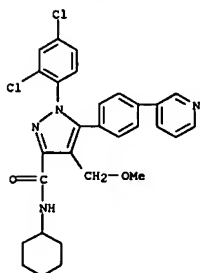
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(3-thienyl)phenyl]- (9CI) (CA INDEX NAME)



RN 501423-48-9 CAPLUS

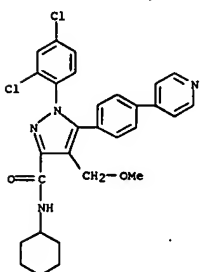
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 501423-49-0 CAPLUS

CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

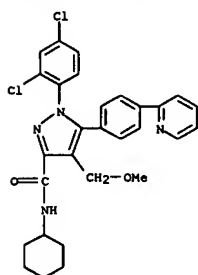


RN 501423-50-3 CAPLUS

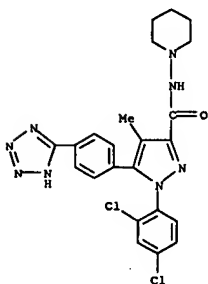
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(2-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

10/790,498C>

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

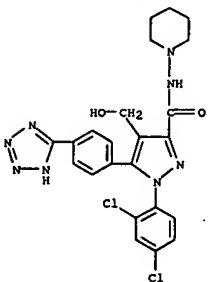


RN 765953-27-3 CAPLUS
CN 1H-Pyrazole-3-carboxamide,
1-(2,4-dichlorophenyl)-4-methyl-N-1-piperidinyl-
5-[(4-{1H-tetrazol-5-yl}phenyl)- (9CI) (CA INDEX NAME)

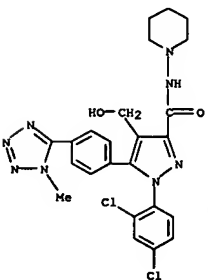


RN 765953-28-4 CAPLUS
CN 1H-Pyrazole-3-carboxamide,
1-(2,4-dichlorophenyl)-4-methyl-5-[(4-{1-methyl-
1H-tetrazol-5-yl}phenyl)-N-1-piperidinyl- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



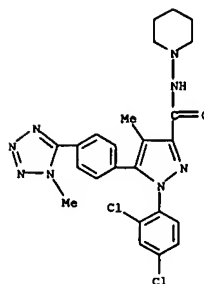
RN 765953-31-9 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-
(1-methyl-1H-tetrazol-5-yl)phenyl]-N-1-piperidinyl- (9CI) (CA INDEX
NAME)



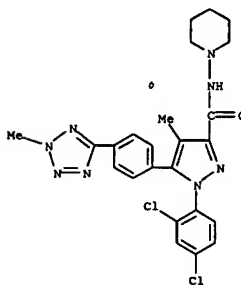
RN 765953-32-0 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-
(2-methyl-2H-tetrazol-5-yl)phenyl]-N-1-piperidinyl- (9CI) (CA INDEX
NAME)

05/28/2007

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

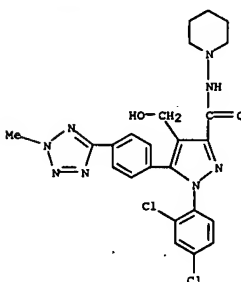


RN 765953-29-5 CAPLUS
CN 1H-Pyrazole-3-carboxamide,
1-(2,4-dichlorophenyl)-4-methyl-5-[(4-{2-methyl-
2H-tetrazol-5-yl}phenyl)-N-1-piperidinyl- (9CI) (CA INDEX NAME)

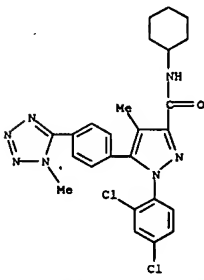


RN 765953-30-8 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-1-
piperidinyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



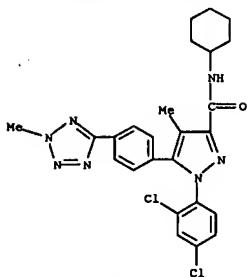
RN 765953-33-1 CAPLUS
CN 1H-Pyrazole-3-carboxamide,
N-cyclohexyl-1-(2,4-dichlorophenyl)-4-methyl-5-
[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



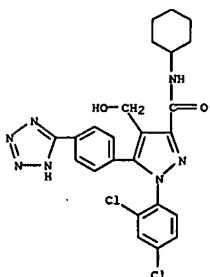
RN 765953-34-2 CAPLUS
CN 1H-Pyrazole-3-carboxamide,
N-cyclohexyl-1-(2,4-dichlorophenyl)-4-methyl-5-
[4-(2-methyl-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

10/790,498C>

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

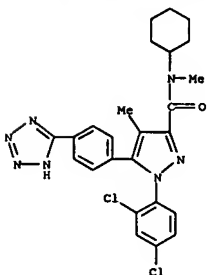


RN 765953-35-3 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

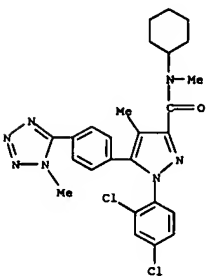


RN 765953-36-4 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



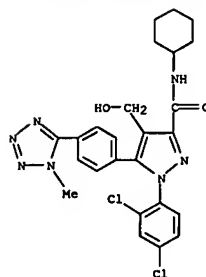
RN 765953-39-7 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



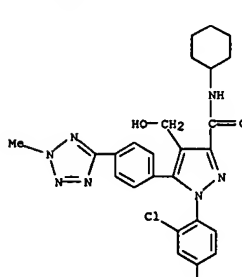
RN 765953-40-0 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

05/28/2007

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

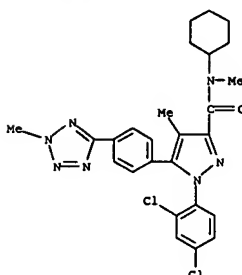


RN 765953-37-5 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

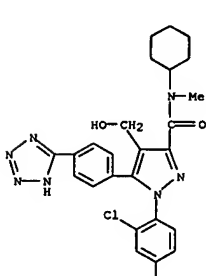


RN 765953-38-6 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



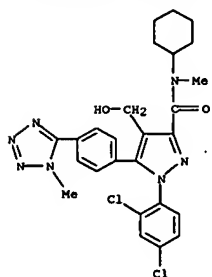
RN 765953-41-1 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N-methyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)



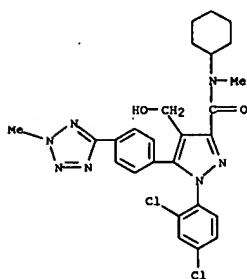
RN 765953-42-2 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N-methyl-5-[4-(1-methyl-1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

10/790,498C>

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

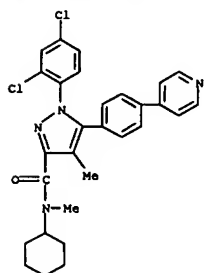


RN 765953-43-3 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(2-methyl-2H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

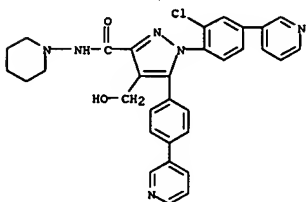


RN 765953-49-9 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



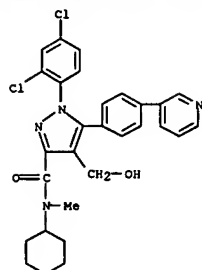
RN 765953-63-7 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-[2-chloro-4-(3-pyridinyl)phenyl]-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



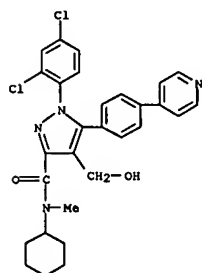
RN 765953-64-8 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-[2-chloro-4-(3-pyridinyl)phenyl]-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]-, dihydrochloride (9CI) (CA INDEX NAME)

05/28/2007

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

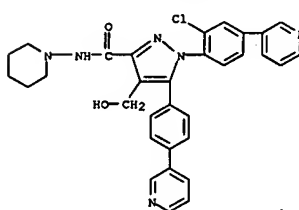


RN 765953-50-2 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-methyl-5-[4-(4-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



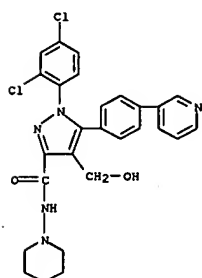
RN 765953-51-3 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-N,4-dimethyl-5-[4-(4-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



● 2 HCl

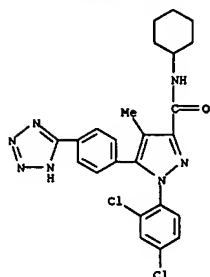
RN 765953-65-9 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 765953-70-6 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-methyl-5-[4-(1H-tetrazol-5-yl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



App 1/5/07

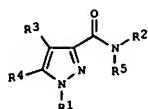
L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:202423 CAPLUS
 DOCUMENT NUMBER: 138:238177
 TITLE: Preparation of 1H-pyrazole-3-carboxamides as cannabinoid receptor stimulators
 INVENTOR(S): Makriyannis, Alexandros; Liu, Qian
 PATENT ASSIGNEE(S): University of Connecticut, USA
 SOURCE: PCT Int. Appl., 73 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 4
 PATENT INFORMATION:

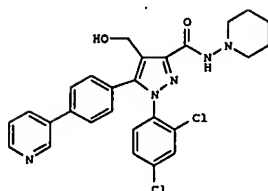
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003020217	A2	20030313	WO 2002-US27644	20020829
WO 2003020217	A3	20030821		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2457922	A1	20030313	CA 2002-2457922	20020829
AU 2002331766	A1	20030318	AU 2002-331766	20020829
EP 1421077	A2	20040526	EP 2002-768751	20020829
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
JP 2005507875	T	20050324	JP 2003-524531	20020829
US 2004192667	A1	20040930	US 2004-790498	20040301
US 2006100208	A1	20060511	US 2005-166835	20050624
US 2006030563	A1	20060209	US 2005-244770	20051006
PRIORITY APPLN. INFO.:				
			US 2001-316515P	P 20010831
			US 1999-159993P	P 19991018
			WO 2000-US41239	W 20001018
			WO 2002-US27644	W 20020829
			US 2002-110865	A2 20021021
			US 2004-790498	A2 20040301

OTHER SOURCE(S): MARPAT 138:238177
 GI

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



I

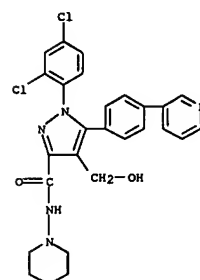


II

AB Title cannabinimetic pyrazole analogs I [wherein R1 = (CH2)nZ; or R1 = carbocyclic, heterocyclic, or (hetero)aromatic ring fused to a heterocyclic or heteroarom. ring; n = 0-7; Z and R3 = H, halo, N3, NCS, CN, NO2, NX1X2, OX3, OAc, acyloxy, aroyloxy, O(CH2)nOH, O(CH2)nNX1X2, acylamino, aroylamino, CHO, CF3, CO2X3, SO3H, SO2NX1X2, CONX1X2, alkoxy, alkylmercapto, or (di)alkylamino; or Z = (un)substituted carbocyclyl, heterocyclyl, (hetero)aryl, (hetero)bicyclyl, or (hetero)tricyclyl; X1 and X2 = independently H or alkyl; or NX1X2 = heterocyclyl or imide ring; X3 = H, (hydroxy)alkyl, or alkyl-NX1X2; n = 0-6; R2 = (un)substituted carbocyclyl, heterocyclyl, or (hetero)aryl; or R2 = carbocyclic, heterocyclic, or (hetero)aromatic ring fused to a heterocyclic or heteroarom. ring; or R3 = Ph, alkyl, OH, alkylsulfinyl, alkylsulfonyl, heterobicyclyl, (hetero)tricyclyl, CH2Z, etc.; R4 = (CH2)nZ, C6H4-(CH2)nZ, etc.; R5 = H or (un)substituted alkyl; with provisos] were prepared. For example, cyclocondensation of the lithium salt of Et 2,4-dioxo-3-methyl-4-(4-bromophenyl)butanoate with 2,4-dichlorophenylhydrazine-HCl gave 1-(2,4-dichlorophenyl)-4-methyl-5-(4-bromophenyl)-1H-pyrazole-3-carboxylic acid Et ester. Bromination with N-bromosuccinimide, conversion to the aic. using AgNO3 in aqueous acetone, amidation with 1-aminopiperidine in the presence of AlCl3, and Suzuki coupling with di-Et (3-pyridyl)borane afforded II. I exhibited CB1 and CB2 cannabinoid receptor binding affinities with Ki values in the range of 1.51-85.1 and 5.81-2312, resp. Some invention compds. showed CB1 selectivity ranging from 2-452, while

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

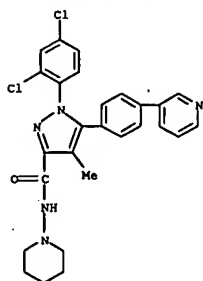
others showed CB2 selectivity ranging from 1-4. Thus, I are useful for the treatment of central nervous system disorders (no data).
 IT 501423-35-4P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 as (cannabinoid receptor stimulator; preparation of pyrazolecarboxamides as cannabinoid receptor stimulators for treatment of CNS disorders)
 RN 501423-35-4 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(hydroxymethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



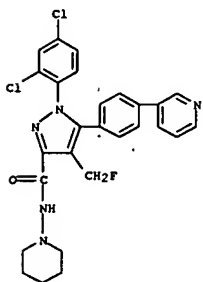
IT 501423-34-3P 501423-36-5P 501423-47-8P
 501423-48-9P 501423-49-0P 501423-50-3P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 as (cannabinoid receptor stimulator; preparation of pyrazolecarboxamides as cannabinoid receptor stimulators for treatment of CNS disorders)
 RN 501423-34-3 CAPLUS
 CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-methyl-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

10/790,498C>

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

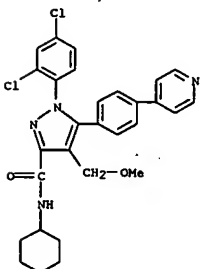


RN 501423-36-5 CAPLUS
CN 1H-Pyrazole-3-carboxamide, 1-(2,4-dichlorophenyl)-4-(fluoromethyl)-N-1-piperidinyl-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

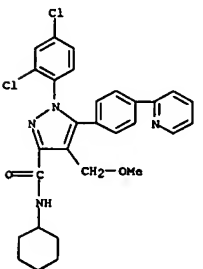


RN 501423-47-8 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(3-thienyl)phenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

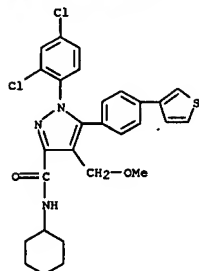


RN 501423-50-3 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(2-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

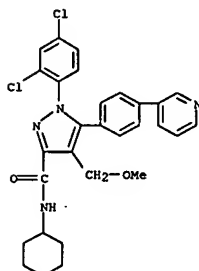


05/28/2007

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 501423-48-9 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(3-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)



RN 501423-49-0 CAPLUS
CN 1H-Pyrazole-3-carboxamide, N-cyclohexyl-1-(2,4-dichlorophenyl)-4-(methoxymethyl)-5-[4-(4-pyridinyl)phenyl]- (9CI) (CA INDEX NAME)

10/790,498C>

05/28/2007

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

22.02

194.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-3.12

-3.12

STN INTERNATIONAL LOGOFF AT 18:53:53 ON 28 MAY 2007